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Substitute for form 1449A/PTO		Complete if Known	
(use as many sheets as necessary)		Application Number	09/544,045
		Filing Date	April 6, 2000
		First Named Inventor	Brian Lee Sauer
		Group Art Unit	1643
		Examiner Name	
Sheet	1	of	17
		Attorney Docket Number	OMRF 178

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code * (if known)			
		4,959,317		Sauer	09-25-1990	
		5,300,431		Pierce et al.	04-05-1994	
		5,334,515		Rashtchian et al.	08-02-1994	
		5,354,668		Auerbach	10-11-1994	
		5,378,618		Sternberg et al.	01-03-1995	
		5,434,066		Beebe et al.	07-18-1995	
		5,441,884		Baum	08-15-1995	
		5,478,731		Short	12-26-1995	
		5,510,099		Short et al.	04-23-1996	
		5,527,695		Hodges et al.	06-18-1996	
		5,530,191		Maliga	06-26-1996	
		5,539,094		Reed et al.	07-23-1996	
		5,589,362		Bujard et al.	12-31-1996	
		5,591,609		Auerbach	01-07-1997	
		5,596,089		Silversides et al.	01-21-1997	
		5,612,205		Kay et al.	03-18-1997	
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		5,629,159		Anderson	05-13-1997	
		5,629,179		Mierendorf et al.	05-13-1997	
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		5,639,726		Lawrence et al.	06-17-1997	
		5,641,748		Hsu	06-24-1997	
		5,641,866		Reed et al.	06-24-1997	
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		5,650,308		Baum	07-22-1997	
		5,650,491		Reed et al.	07-22-1997	

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Sheet 2 of 17	Attorney Docket Number	OMRF 178	

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		5,654,168	Bujard et al.	08-05-1997	
		5,654,182	Wahl et al.	08-05-1997	
		5,656,438	Hsu	08-12-1997	
		5,658,772	Odell et al.	08-19-1997	
		5,677,177	Wahl et al.	10-14-1997	
		5,679,523	Li et al.	10-21-1997	
		5,686,595	Reed et al.	11-11-1997	
		5,700,470	Seite et al.	12-23-1997	
		5,721,118	Scheffler	02-24-1998	
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		5,733,733	Auerbach	03-31-1998	
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Sheet 3 of 17

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		5,777,194		Scott et al.	07-07-1998	
		5,789,156		Bujard et al.	08-04-1998	
		5,792,632		Dujon et al.	08-11-1998	
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		5,800,998		Glucksmann	09-01-1998	
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		5,807,208		Falb et al.	09-15-1998	
		5,807,995		Cohen et al.	09-15-1998	
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		5,817,492		Saito et al.	10-06-1998	
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		5,834,202		Auerbach	11-10-1998	
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		5,849,553		Anderson et al.	12-15-1998	

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Sheet 6 of 17	Attorney Docket Number	OMRF 178	

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		ABREMSKI, et al., "Studies on the properties of P1 site-specific recombination: evidence for topologically unlinked products following recombination," <i>Cell</i> 32(4):1301-11 (1983).
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		BERLIN & SAUER, "In situ color detection of alpha-L-arabinofuranosidase, a "no-background" reporter gene, with 5-bromo-3-indolyl- L-arabinofuranoside," <i>Anal. Biochem.</i> 243(1):171-5 (1996).

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		BLOCHLINGER & DIGGELMANN, "Hygromycin B phosphotransferase as a selectable marker for DNA transfer experiments with higher eucaryotic cells," <i>Mol. Cell. Biol.</i> 4(12):2929-31 (1984).	
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Sheet 8 of 17

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		HOESS, et al., "The role of the <i>loxP</i> spacer region in P1 site-specific recombination," <i>Nucleic Acids Res.</i> 14(5):2287-300 (1986).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/544,045
		Filing Date	April 6, 2000
		First Named Inventor	Brian Lee Sauer
		Group Art Unit	1643
		Examiner Name	
Sheet 11 of 17	Attorney Docket Number	OMRF 178	

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		KÜHN et al., "Inducible gene targeting in mice," <i>Science</i> 269(5229):1427-9 (1995).	
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		MARCOTTE, et al., "Regulation of a wheat promoter by abscisic acid in rice protoplasts," <i>Nature</i> 335:454-457 (1988).	
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		First Named Inventor	Brian Lee Sauer
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Sheet 12 of 17	Attorney Docket Number	OMRF 178	

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		MONDRAGON, "Unraveling transposition: gamma delta resolvase in complex with DNA," <i>Structure</i> 3(8):755-8 (1995).	
		MULLINS, et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," <i>Nucleic Acids Res.</i> 25(12):2539-40 (1997).	
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		ODELL, et al., "Identification of DNA sequences required for activity of the cauliflower mosaic virus 35S promoter," <i>Nature</i> 313(6005):810-2 (1985).	
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		PADDON & HARTLEY, "Expression of <i>Bacillus amyloliquefaciens</i> extracellular ribonuclease (barnase) in <i>Escherichia coli</i> following an inactivating mutation," <i>Gene</i> 53(1):11-9 (1987).	

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		PAN, et al., "Mechanism of cleavage and ligation by FLP recombinase: classification of mutations in FLP protein by in vitro complementation analysis," <i>Molecular and Cellular Biology</i> 13(6):3167-3175 (1993).	
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		SANFORD, The biolistic process," <i>Tibtech</i> 6:299-302 (1988).	

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		Filing Date	April 6, 2000
		First Named Inventor	Brian Lee Sauer
		Group Art Unit	1643
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		SANO & CANTOR, "Expression of a cloned streptavidin gene in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 87(1):142-6 (1990).	
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		Filing Date	April 6, 2000
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		Group Art Unit	1643
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Sheet	15	of	17
		Attorney Docket Number	OMRF 178

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		SAUER, et al., "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 84(24):9105-12 (1987).	
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		SENGUPTA-GOPIALAN, et al., "Developmentally regulated expression of the bean -phaseolin gene in tobacco seed," <i>Proc. Natl. Acad. Sci. USA</i> 82:3320-3324 (1985).	
		SHIRSAT, et al., "Sequences responsible for the tissue specific promoter activity of a pea legumin gene in tobacco," <i>Mol. Gen. Genet.</i> 215(2):326-31 (1989).	
		SIGAL & ALBERTS, "Genetic recombination: the nature of a crossed strand-exchange between two homologous DNA molecules," <i>J. Mol. Biol.</i> 71(3):789-93 (1972).	
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		STERNBERG & HAMILTON, "Bacteriophage P1 site-specific recombination. I. Recombination between loxP sites," <i>J. Mol. Biol.</i> 150(4):467-86 (1981).	

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Application Number	09/544,045
Filing Date	April 6, 2000
First Named Inventor	Brian Lee Sauer
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		STERNBERG, et al., "Bacteriophage P1 cre gene and its regulatory region. Evidence for multiple promoters and for regulation by DNA methylation," <i>J. Mol. Biol.</i> 187(2):197-212 (1986).	
		STILES, et al., "DNA sequence of a mutation in the leader region of the yeast iso-1-cytochrome c mRNA," <i>Cell</i> 25(1):277-84 (1981).	
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		WALLING, et al., "Transcriptional and post-transcriptional regulation of soybean seed protein mRNA levels," <i>Proc. Natl. Acad. Sci. USA</i> 83: 2123-2127 (1986).	
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INFORMATION DISCLOSURE STATEMENT



Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,

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I hereby certify that this Information Disclosure Statement, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


Kimberly L. Adams

Date: February 12, 2001